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CONNECTION
Information for Teachers

ALBERTA EDUCATION
Vol. 3, No. 2, November 1994

Connection is a publication of the Student Programs and Evaluation Division.

In the Volume 3, Number 1, May 1994 edition of *Connection*, we printed the results of a survey regarding this publication. One of the major changes has been to reduce the number of copies printed and distributed. We are now sending a few copies to each school rather than one copy for each teacher. Your comments on this direction are welcomed and may be addressed to the Editor at the address on the back page of this publication.

ECS–GRADE 12 CURRICULUM AND RESOURCES

Classroom Assessment Materials Project

Background

A key goal in Alberta Education's *Three-Year Business Plan* is to set clear learning outcomes and high standards for each area of learning and to communicate these effectively. To help achieve this goal, Alberta Education has launched the *Classroom Assessment Materials Project*.

Alberta Education is responding to teachers' long-standing requests for high quality assessment materials. Recently, during province-wide consultations with parents, teachers, school administrators, trustees and representatives of business and professional groups, Albertans expressed the need for a common understanding of the provincial standards.

Assessment Areas

Packages of assessment materials for use by classroom teachers will be prepared, initially, in:

- English Language Arts (1–12)
- Mathematics (1–12)
- Science (1–12)
- Social Studies (1–12)
- Français (1–12)
- French Language Arts (1–12)
- English as a Second Language
- French as a Second Language
- Career and Technology Studies.

The materials, and others to be developed in support of the learning outcomes listed in the *Three-Year Business Plan*, will be practical and readily useable in the classroom. Materials will be available in English and French.

Project Outcomes

The project will result in:

- a clearer, more broadly held understanding of provincial standards
- availability of high quality assessment materials in English and French for teachers and students
- improved communication among students, parents, teachers and the principal about grade-level expectations and results.

Intended Use

The materials will be designed for end-of-grade, -course or -module expectations and not for ongoing classroom or diagnostic assessments. Teachers may use the classroom assessment materials whenever they need to find out about a student's performance in relation to provincial standards. They may choose to work with other teachers in using these materials. Teachers may also add to, or modify, the materials as necessary.

In keeping with the government's intent to place as much instructional decision making as possible in the hands of the classroom teacher, forthcoming directives will make it clear that project materials are intended solely for classroom teacher use in assessing learning. The materials are not to be used for evaluation of teachers or school programs or for any other purpose imposed by those external to the classroom.

Our achievement testing and diploma examination programs will continue to provide needed information about how well students in our schools and districts are doing.

Development

Classroom teachers will be involved in developing the materials. They will also be able to support the project by field testing and advising on the appropriateness of each package. Their involvement is essential for the preparation of quality assessment packages.

Alberta Education's funding for the development of the assessment materials is coming from a reallocation of existing department resources.

Partnerships

Project materials will be developed in consultation with the Alberta Teachers' Association, Alberta School Boards Association, College of Alberta School Superintendents, and Alberta Assessment Consortium, so as to minimize any duplication of assessment efforts. Business, professional and community groups will be consulted as well.

A Classroom Assessment Materials Project Advisory Committee, composed of representatives from the Alberta School Boards Association, the Alberta Teachers' Association, Universities Coordinating Council, Association canadienne-française de l'Alberta, College of Alberta School Superintendents, and the Public Colleges and Technical Institutes of Alberta, will advise on all aspects of the project and evaluate its effectiveness.

Assessment Package

Each package will include:

- Learning Outcomes: the full range of broad learning outcomes from the program of studies, upon which the assessments will be based.
- Assessment Criteria: a statement of the criteria used for judging student achievement at the acceptable and excellent levels relative to expected learning outcomes.
- Blueprint: a map of assessment design indicating weightings and emphasis, and the relationships among knowledge, skills and attitudes to be assessed.
- Assessment Materials: a variety of assessment tools, including tests, performance tasks and other assessment activities, together with scoring criteria, cut-off scores and samples of student work that illustrate provincial standards.
- Field Testing Information: context for field testing the assessments and how well students in field test classrooms did.

Availability

Assessment packages will be available for teacher use according to schedules set for each learning area. Many of the assessment instruments will be field tested in May/June 1995 and/or in May/June 1996. Most packages will be available for teachers by the spring of 1997.

Plans for teacher inservice in the use of the materials will be prepared soon.

Cost and distribution of the materials has yet to be determined.

More Information

For further information, contact Frank Horvath, Project Coordinator, at 403–427–0010* or write to him at the Student Evaluation Branch, Alberta Education, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2. For specific learning area information, contact the following:

English Language Arts
Elana Scraba
Student Evaluation Branch
403–427–0010*

Mathematics
Hugh Sanders
Curriculum Standards Branch
403–427–2984*

Science
Bernie Galbraith
Curriculum Standards Branch
403–427–2984*

Social Studies
Doug Burns
Student Evaluation Branch
403–427–0010*

Français and French Language Arts
Alain Nogue
Language Services Branch
403–427–2940*

English as a Second Language
Earl Breiman
Curriculum Standards Branch
403–427–2939*

French as a Second Language
Wally Lazaruk
Language Services Branch
403–427–2940*

Career and Technology Studies
Sharon Prather
Curriculum Standards Branch
403–427–2984*.

* To be connected toll-free outside of Edmonton, call 310–0000.

8th International Organization for Science and Technology Education (IOSTE) Symposium

Alberta Education will be hosting the 8th International Organization for Science and Technology Education (IOSTE) Symposium here in Edmonton in August 1996.

IOSTE is an international organization comprised of policy and decision makers in science and technology education representing over 65 countries.

Its major goals are to identify the changing science and technology needs of humankind and nations, and to track world trends in science and technology education through its symposia.

The theme of the 1996 symposium is Science and Technology Education for Responsible Citizenship and Economic Development. The intent is to acknowledge the emerging demands on science and technology education worldwide; that is, to prepare students, citizens and a skilled work force who:

- make appropriate decisions regarding local and global environmental issues
- make wide use of natural resources
- contribute toward responsible economic development in a highly competitive and integrated global economy.

The theme also addresses the critical question, "What knowledge and skills do young people need in order to play a constructive role in sustaining the environment and a healthy economy." Subthemes include:

- Evidence of the Need for, and the Nature of, Science and Technology Education

  How can science and technology education contribute to a healthy environment and economic development, and be relevant to the modern world of business and industry, and to an individual's everyday life?

- Policy Directions in Science and Technology Education

  What scientific and technological literacy will be required, regionally and globally, in the 21st century?

- Promising Practices

  What are the latest innovations in school science and technology education, particularly as they relate to responsible economic development and a healthy environment?

The bid to host the symposium was made by Raja Panwar, Program Manager, Secondary Science, at the 7th Symposium in Veldhoven, Holland, in late August 1994. The success of the bid was based upon the many letters of support from government departments, business and industry, and the advice from Edmonton Tourism. These letters of support convinced the IOSTE Executive Committee that Albertans support science education and are enthusiastic about hosting this prestigious international event. This event will be a first for the province of Alberta.

This international symposium will also have a regional and a national focus. Symposia within the symposium that complement current initiatives, such as the Western Protocol for Collaboration in Basic Education and the national School Achievement Indicators Program (SAIP), are also planned. This will give the western provinces an international perspective on what students need to learn and help them to work together on establishing, communicating and achieving high standards in science and technology education.

If you require more information about the symposium, or if you would like to volunteer to help with organizing, contact Raja Panwar, Program Manager, Secondary Science, Curriculum Standards Branch, Alberta Education, Devonian Building, West Tower, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2, Telephone 403–427–2984, Fax 403–422–3745
Internet: Rpanwar@edc.gov.ab.ca

Guidance and Counselling

The following teaching resource for guidance and counselling will be available in early November from the LRDC:

– *Creating a Positive Place Called School* (Alberta Education, Special Education Branch).

  This document is divided into four main sections:

  - What Is Elementary Counselling all About?
  - What Are the Referral Issues?
  - What Are the Strategies?
  - What Are Some Resources?

– *Moving to the Future: Outcome-based Comprehensive Guidance and Counselling in Alberta Schools* (Alberta Education, Special Education Branch).

  This monograph:

  - outlines the nature of an outcome-based approach
  - presents a model for outcome-based comprehensive school guidance and counselling
  - describes the role of evaluation
  - provides sample student outcomes
  - provides a sample counselling program plan
  - offers an annotated list for further information
  - provides sample monitoring forms and informal evaluation tools.

– *Promising Assessment Models and Practices*, No. 1 in the *School Assessment Series* (Alberta Education, Special Education Branch).

  This document presents exemplary models of assessment currently being used in Alberta schools. Part I includes collaborative assessment models, Part II describes promising assessment practices, and Part III features Education Quality Indicators assessment initiatives. Comprehensive assessment practices from school jurisdictions in the United States are also presented.

– *Standards for Psycho-educational Assessment*, No. 2 in the *School Assessment Series* (Alberta Education, Special Education Branch).

  This monograph describes an assessment process to follow once a concern is identified, the ethical principles that guide psycho-educational assessment and the expectations and standards established by Alberta Education for psycho-educational assessment.

For more information, contact Garnet Millar at 403–422–6326.

Language Arts (Français and French)

A revision of the Français and French Language Arts programs (Grade 1 through Grade 12) is currently underway. The project includes the development of assessment materials at each grade level to assist teachers determine proficiency levels. Information regarding the progress of these projects will be communicated to schools on a regular basis.

Provincial Achievement Testing Program, 1994–95 School Year

Changes

This year's *General Information Bulletin: Achievement Testing Program* will include information about major changes in the program, including the following:

- annual testing in more than one subject: Grade 3 — language arts (reading and writing) and mathematics; Grade 6 and Grade 9 — language arts, mathematics, social studies and science
- opportunity for local marking, allowing for use of results as part of your year-end assessments of individual students
- new schedules
- securing of previous tests: previous achievement tests may no longer be used for classroom purposes, effective September 1994.

Watch for the bulletin in your school.

For more information, contact Dennis Belyk at 403–427–0010.

Special Education

A copy of the following authorized teaching resource was sent to principals in June 1994:

- *Moving to Inclusion: Active Living Through Physical Education: Maximizing Opportunities for Students with a Disability* (Fitness Canada and the Active Living Alliance for Canadians with a Disability).

  This document is part of the Canadian government's five-year national integration strategy to further facilitate the inclusion of persons with disabilities into society. This initiative helps teachers include students with disabilities in physical education classes.

  Order additional copies from:
  CIRA/CAPHER
  1600 James Naismith Drive
  Gloucester, Ontario, K1B 5N4
  Telephone 613–748–5622
  Fax 613–748–5737.

The following comprehensive list of annotated resources was sent to school principals in August:

- *Resources for Special Education and Guidance and Counselling: An Annotated List* (Alberta Education, Special Education Branch).

For more information, contact Grace LeBlanc at 403–422–6326.

The following authorized teaching resource is available from ACCESS Network:

- *The Vision Video: Integrating the Visually Impaired Student in the 90's*, 1993.

  This video provides inservice training for classroom teachers and administrators who have students with visual impairments in their schools.

  The video demonstrates varying degrees of visual impairment, how students with severe visual impairments use adaptive methods in school, teaching methods and adaptations necessary for integrating students who use Braille and students with limited visual impairments, technology to assist students with visual impairments, partnerships among itinerant vision teachers, regular classroom teachers, parents and students.

For more information, contact Grace LeBlanc at 403–422–6326.

ECS–ELEMENTARY CURRICULUM AND RESOURCES

General Information

For information on elementary programs and general resource concerns, call the following people according to subject area. For resource availability information, consult the *Buyers Guide* or contact the LRDC directly.

English	403–427–2984 403–422–3745 Fax
ECS, Health	Gina Vivone-Vernon
Language Arts	Jennifer Bushrod
Mathematics	Art Peddicord
Science	Bernie Galbraith
Social Studies	Jennifer Bushrod
Fine Arts	Earl Breiman 403–427–2939 403–422–5129 Fax

French	403–427–2940 403–422–1947 Fax
CTS	Paul Pelchat
FSL	Lisa Caouette Denise Bourassa
Language Arts Français and French	Alain Nogue
Mathematics	Ghislaine Lavergne
Science	Diane Morneau
Social Studies	Denise Stocco
Special Education	Suzanne Gareau-Kubicki
ECS, CALM, Fine Arts, Health, Physical Education	Émile Mandin

Fine Arts

Art

Teaching Resource

The following authorized teaching resource is available from ACCESS Network:

– *Encounters*. [a series of 10 video titles]

For more information, contact ACCESS Network at 403–440–7729.

French as a Second Language

Basic Resources

Grade 4

The following basic student learning resources have been approved since April 1, 1994 and are available from the LRDC:

– *Savoir faire: Visages 1 — Beginning 1 Level* (Addison-Wesley Publishers)

Grades 4–6

– *Aventure: 1 800 Urgence; Chef Cornichon; Mystère, mystère; Voyage à la planète Terre — Beginning 2/3 Level* (Copp Clark Longman Ltd.).

Language Arts (English)

Note: The current language learning program is the 1991 program included in the *Program of Studies: Elementary Schools*.

Teaching Resources

The following authorized teaching resources are available from the LRDC:

Grades 1–3

– *Literacy 2000* (Ginn Publishing Canada Inc.)
- *Teacher's Resources*
- *Duplicate Masters*
- *Inservice (video/print)*
- *Something Old, Something New: An Integrated Approach to Traditional Tales*

– *Meadow Books* (Meadow Book Press/Harcourt Brace & Co., Canada)
- *Teacher's Source Books*
- *Thematic Packages*
- *Word Sense: Spelling, Punctuation and Handwriting Skills for Young Writers: Levels A, B, and C*
- *Classroom Voices: Language-based Learning in the Elementary School*
- *Meadow Books Assessment and Evaluation Ages 5–9*
- *Meadow Books in the Language-based Classroom*

Grades 2–6

– *RefleXions* (Scholastic Inc./Scholastic-TAB Publications Ltd.)
- *Source Books*
- *Balancing the Basics: For Teachers of Reading (K–8)*, 2nd edition
- *Professional Reflections and Connections*
- *RefleXions Audiocassette*
- *Starter Packs*
- *Complete Units*

Grades 4–6

– *WAVES: Language Across the Curriculum* (Nelson Canada)
- *Teacher's Resource.*

Language Arts (Français and French)

The following resources have been authorized for the francophone and immersion programs and are available from the LRDC:

Francophone Basic Resources

Grade 4

- *Entre 4 yeux* (Graficor)

Francophone Teaching Resources

- *Entre 4 yeux: Guide pédagogique* (Graficor)
- *Entre 4 yeux: Cahier d'habiletés à lire, corrigé* (Graficor)

Immersion Basic Resources

Grade 4

- *Arrimage* (Les Éditions l'image de l'art)
  - *Quatrième Arrimage, Recueil de textes A*
  - *Quatrième Arrimage, Recueil de textes B*

Grade 5

  - *Cinquième Arrimage, Recueil de textes A*
  - *Cinquième Arrimage, Recueil de textes B*

Immersion Teaching Resources

- *Arrimage* (Les Éditions l'image de l'art)
  - *Quatrième Arrimage, Guide pédagogique*
  - *Cinquième Arrimage, Guide pédagogique.*

Mathematics

Provincial Implementation

Provincial implementation of the elementary mathematics program will occur in September 1995.

The interim program of studies, in landscape format, supported by an authorized list of approved student learning and teaching resources, and a glossary, has been sent to all schools.

Teaching Resources

The following authorized teaching resources are available from the LRDC:

Pre-Grade 1–Grade 8

- *About Teaching Mathematics: A K–8 Resource* (Math Solutions Publications/ Addison-Wesley Publishers)

Grades 1–4

- *Challenging Mathematics: Teaching and Activity Guide* (Mondia)

Grades 1–6

- *Mathematics: Assessing Understanding: Individual Assessments: Parts 1–3*, video (Cuisenaire/Addison-Wesley Publishers)
- *Mathematics in the Primary School* (Routledge/Ecumar Effectiveness Consultants Ltd.)
- *Mathematics: Teaching for Understanding: Grades K–6, Parts 1–3*, video (Cuisenaire/Addison-Wesley Publishers)
- *Geometry and Spatial Sense*, Grades K–6 Addenda Series (National Council of Teachers of Mathematics)
- *Number Sense and Operations*, Grades K–6 Addenda Series (National Council of Teachers of Mathematics)

Grades 3–6

- *In All Probability: Investigations in Probability and Statistics Grades 3–6: Teacher's Guide* (Lawrence Hall of Science, University of California, Berkeley, Addison-Wesley Publishers)

Grades 4–5

- *MathWorlds* (Reidmore Books Inc.)
  - *Modules*
  - *Program Kit* (Grade 4)

Grades 5–6

- *Gage Active Mathematics* (Gage Educational Publishing Co.)
  - *Blackline Masters*
  - *Teacher's Resource Book*

Grades 5–8

- *Dealing with Data and Chance* (National Council of Teachers of Mathematics).

Mathematics (French)

The following resources are authorized for the francophone and immersion programs and are available from the LRDC:

Basic Resource

Grade 1

- *Interaction 1 — Feuilles à reproduire*

Teaching Resources

ECS–Grade 3

- *Au fur et à mesure*, Cycle primaire, Jardin d'enfants–3e année (Exclusive Educational Products/Produits éducatifs Exclusive)
- *Mes premières activités à l'aide des mosaïques géométriques*, Cycle primaire, Jardin d'enfants–3e année (Exclusive Educational Products/Produits éducatifs Exclusive)

Grade 1

- *Défi mathématique 1 — Guide d'enseignement et d'activités* (Mondia)

Grades 1–6

- *200 activités à l'aide des blocs logiques, Jardin d'enfants–8e année*; *Vivre l'apprentissage actif* (Exclusive Educational Products/Produits éducatifs Exclusive)

Grade 2

- *Défi mathématique 2 — Guide d'enseignement et d'activités* (Mondia)

Grades 2–4

- *Mes premières activités à l'aide des géoplans, Cycle primaire et moyen 2e–4e année*; *Vivre l'apprentissage actif* (Exclusive Educational Products/Produits éducatifs Exclusive)

Grade 3

- *Défi mathématique 3 — Guide d'enseignement et d'activités* (Mondia)

Grade 4

- *Défi mathématique 4 — Guide d'enseignement et d'activités* (Mondia)

Grades 4–6

- *Au fur et à mesure!* Cycle moyen, 4e–6e année (Exclusive Educational Products/ Produits éducatifs Exclusive)

Grades 4–9

- *Résolution de problèmes — Surmonter l'insurmontable*, 4e-9e année (Exclusive Educational Products/Produits éducatifs Exclusive)

Grade 5

- *Défi mathématique 5 — Guide d'enseignement et d'activités* (Mondia)

Grade 6

- *Défi mathématique 6 — Guide d'enseignement et d'activités* (Mondia).

Physical Education (French)

The following French version of a new resource prepared by Health Canada has been distributed to all francophone and immersion schools:

- *Intégration en mouvement —- La vie active par l'éducation physique: Multiplier les possibilités offertes aux élèves ayant un handicap.*

  This is an authorized teaching resource to help teachers integrate special needs students in the physical education program through information, advice and practical suggestions.

Science

Program Update

Provincial implementation of the revised elementary science program is scheduled for September 1996.

Field validation indicated strong support for the direction of the revised program and provided detailed comments that helped guide further work in revision. An initial screening of resources has also been completed.

The revised program of studies and a list of authorized resources should be distributed to schools in the spring of 1995 for optional implementation in September 1995.

Schools have indicated strong interest in the program revision, and Alberta Education has received many requests for information throughout the revision process. Copies of the revised draft will be forwarded on request.

Schools should note that the current program of studies (1984) remains in effect until September 1996, and that the achievement testing program is based on the current program of studies.

Teaching Resource

The following authorized teaching resource is now available:

Grades 1–6

– *Science Learning: Coming to Know the World—Elementary Science Inservice* (ACCESS Network).

Social Studies (English)

Basic Resource

The following basic student learning resource is available from the LRDC:

Grade 4, Topics A, B and C

– *Alberta Wall Map*, reprinted 1994 (PMR Learning Materials).

Social Studies (French)

Teaching Resource

The following resource is authorized for the francophone and immersion programs and is available from the LRDC:

Grade 6, Topic B

– *La vie dans la Grèce antique*, English teacher's guide and French blackline master package (Plains Publishing Inc.)

Out-of-print Resources

Basic Resources

The following resources are no longer available from the LRDC, but are still authorized as basic student learning resources:

Grade 4, Topic A

– *L'Alberta: Ses ressources naturelles*, livre (Alberta Education)

Grade 6, Topics A and C

– *La structure du gouvernement trousse*, audio-visuelle (Prentice Hall)

Grade 6, Topic B

– *Comment vivaient les Egyptiens*, livre (ADP)

– *Comment vivaient les Grecs*, livre (ADP).

JUNIOR–SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

Integrated Occupational Program

The following is available from the LRDC:

– *Information Manual for Administrators, Counsellors and Teachers*, 1994 (Alberta Education).

For more information, contact Mike Alpern, Telephone 403–422–4872, Fax 403–422–5129.

JUNIOR HIGH SCHOOL

Agriculture

Agriculture: Land and Life Year 3, Distance Learning

The following distance learning materials for Agriculture: Land and Life Year 3 are available from the LRDC as of November 1994: Student Modules for students, Learning Facilitator's Manual for teachers, and Student Support Guide for parents. The textbook, *The Living Soil: Land Use and Society* will be required to complete the course.

For more information, contact either the ADLC at 403–674–5333 or the LRDC at 403–427–2767.

French as a Second Language

Basic Resources

The following basic student learning resources have been approved since April 1, 1994:

- *Tous ensemble: Décollage — Intermediate 4/5 Level* (D. C. Heath Canada Ltd.)
- *Entre amis 3: Le magazine — Intermediate 6 Level* (Prentice Hall Canada Inc.).

For more information regarding basic student learning resources, support student learning resources and authorized teaching resources, contact Denise Bourassa at 403–427–2940.

Health and Personal Life Skills

Health 8, Distance Learning

The following distance learning materials for Health 8 are available from the LRDC as of November 1994: Student Modules for students, Learning Facilitator's Manual for teachers, and Student Support Guide for parents. The course is based on the textbooks, *Lifestyle 2* and *Book 2 — Growing Through Knowing Issues in Sexuality*.

For more information, contact either the ADLC at 403–674–5333 or the LRDC at 403–427–2767.

Language Arts (English)

Program of Studies

The 1987 Junior High School English Language Arts Program of Studies has been organized into a new format to emphasize the integrated nature of the program and to further specify learning expectations by grade. The content and direction of the program remain the same.

A draft of these changes was distributed to junior high school language arts teachers in May 1994, and their suggestions have been incorporated into the reorganized draft.

The 1995 Junior High English Language Arts Program of Studies, which is the result of the foregoing changes, is expected to be approved and available for schools by early spring 1995, with implementation in September 1995.

Assessment standards are being developed for each of the five general learner expectations in the program of studies, with examples of student work to be included, which illustrate an acceptable standard and standard of excellence. Teacher comments on the draft program, and teacher participation in the standard-setting activities last May, were very much appreciated.

Novels and Nonfiction

A mailing, which announced the new 1994 approved senior high English novels and nonfiction list, was sent in May to junior high school principals.

Junior high language arts teachers are encouraged to review the new senior high list, and are reminded that the 1990 junior high novels and nonfiction list is still the current approved list for junior high school language arts.

For more information, contact Barbara Esdale at 403–427–2939.

Mathematics (English)

Teaching Resources

The following authorized teaching resources are available from the LRDC:

Pre-Grade 1–Grade 8

- *About Teaching Mathematics: A K–8 Resource* (Math Solutions Publications/ Addison-Wesley Publishers)

Grades 5–8

- *Dealing with Data and Chance* (National Council of Teachers of Mathematics).

For more information, contact Art Peddicord at 403–427–2984.

Mathematics (French)

Teaching Resource

The following resource is authorized for francophone and immersion programs and is available from the LRDC:

Grades 4–9

- *Résolution de problèmes — Surmonter l'insurmontable*, 4e–9e anneé (Exclusive Educational Products/Produits éducatifs Exclusive).

For more information, contact Ghislaine Lavergne at 403–427–2940.

Science

LXR Question Banks for Macintosh®

The beta release of the LXR Version 5.0 question bank for Science 9 is now available from the ADLC.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Social Studies (English)

Social Studies 9, Distance Learning

The following distance learning modules on Russia for Social Studies 9 are available from the LRDC as of November 1994: Student Modules for students, Learning Facilitator's Manual for teachers, and Student Support Guide for parents. The modules on Russia are based on the textbook, *Russia, Then and Now*.

For more information, contact either the ADLC at 403–674–5333 or the LRDC at 403–427–2767.

Social Studies 9, Topic B

The following authorized teaching resources are available from the LRDC:

- *Back in the USSR: Meeting Human Needs in a Centrally Planned Economy: Teacher's Resource*, 1994 (Reidmore Books Inc.)
- *Russia, Then and Now: Teacher's Resource Package*, 1994 (Arnold Publishing Ltd.).

Note: A resource titled *A New World Emerges: An Update of Events in the CIS and the Baltics* will now accompany newly purchased copies of the basic student learning resource for Social Studies 9, Topic B, *Russia, Then and Now*. For schools wishing to purchase copies of the update only, contact Arnold Publishing Ltd., 101, 10301 – 104 Street, Edmonton, Alberta, T5J 1B9, Telephone 403–426–2998, Fax 403–426–4607.

Social Studies (French)

Basic Resource

The following basic student learning resource is authorized for the francophone and immersion programs and is available from the LRDC:

Grade 9, Topic B

- *Retour en URSS: Combler les besoins de la population dans une économie planifiée*, texte et supplément de l'élève (Les Éditions Duval Inc.).

For more information, contact Denise Stocco at 403–427–2940.

Out-of-print Resources

The following resource is no longer available from the LRDC, but is still authorized as a basic student learning resource:

- *L'individu dans la* société, trousse audio-visuelle (Saskatchewan Education).

For more information, contact Denise Stocco at 403–427–2940.

SENIOR HIGH SCHOOL

Career and Life Management (CALM) 20

The Curriculum Standards Branch still has several copies of a variety of consumer-oriented publications from the Housing and Consumer Affairs division of Municipal Affairs. Copies were distributed to schools in March 1994.

These publications are free of charge and contain useful up-to-date information that will enhance the CALM program. They include:

- *Choosing a Home Builder*
- *Pay Now, Use Later: A Look at Future Services*
- *Your Guide to Trouble Free Travel*
- *What Happens If You Don't Pay Your Mortgage*
- *Shop Around*
- *Dealing with Debt on a Reduced Income*
- *Getting Insurance on Your Loan: Creditor Group Insurance.*

We also have several free-of-charge publications from the Federal/Provincial Consumer Education and Plain Language Task Force. They include:

- *Project Real World:*
  - *Module I: The Canadian Marketplace and You*
  - *Module II: Your Economic Decisions*
  - *Module III: Resource Management Skills — What Money Can't Buy*
  - *Module IV: Entrepreneurship and the World of Work*
  - *Module V: Citizen Participation in Today's Market-based Society.*

For more information or copies, contact John Blevins at 403–422–4872.

Career and Technology Studies (CTS)

The *Career and Technology Studies Program of Studies* (Interim 1994) with 11 additional strands has been approved for optional implementation in the province. In total, 13 strands — that's 331 modules — are available to Alberta students.

The list below provides the strand title, the program consultant responsible and his or her telephone number.

Agriculture
Gary Bertrand
403–297–6353

Career Transitions
Mike Alpern
403–422–4872

Communication Technology
Glen O'Neil
403–427–2984

Construction Technologies
Rob Baker
403–297–6353

Design Studies
Glen O'Neil
403–427–2984

Enterprise and Innovation
Jan Mills
403–427–2984

Financial Management
Betty Leadbeater
403–427–2984

Foods
Jan Mills
403–427–2984

Forestry
Gary Bertrand
403–297–6353

Information Processing
Sharon Prather
403–427–2984

Legal Studies
Betty Leadbeater
403–427–2984

Tourism Studies
Glen O'Neil
403–427–2984

Wildlife
Gary Bertrand
403–297–6353

The program of studies was distributed to superintendents, principals and school board chairpersons in June. It contains the philosophy and rationale, general learner expectations, program organization and module learner expectations for each approved strand. It is available from the LRDC, Telephone 403–427–2767.

Each strand has a *Guide to Standards and Implementation*, which contains the strand's philosophy and rationale, strand learner expectations, organization, module curriculum standards, draft assessment standards and tools, Learning Resource Guide and sample student learning guides. The guides were distributed to superintendents and members of the CTS Communication Network. They, too, are available from the LRDC.

An extensive list of resources has been approved for use with the new strands — the Learning Resources Unit reports handling 530 CTS authorizations between July 1, 1993 and August 31, 1994. The basic, support and teaching resources are listed in each strand's *Guide to Standards and Implementation* (Learning Resource Guide, Section I), along with module correlations and annotations.

The Learning Resource Guide also contains additional resources that may be useful in the strand, as well as a list of further sources of information. The approved resources are available from the LRDC, unless otherwise indicated. Consult the LRDC *Buyers Guide* for more information, or call the LRDC directly.

ACCESS Network has completed the production of 11 videos in the *CTS Key Concepts* series, and the videos are picking up awards all over. The titles are as follows:

Making Ethical Decisions	*Innovation*
The Ethics Jungle	*Creativity*
Project Planning	*Responsibility*
Anatomy of a Plan	*Teamwork*
Go Figure	*Professionalism*
Portfolios	

Each video has print support. The series is available from ACCESS Network, Media Resource Centre, Telephone 403–440–7729, Fax 403–440–8899, Toll-free 1–800–352–8293.

The 1994–95 field review involves six strands: Community Health, Electro-Technologies, Fabrication Studies, Fashion Studies, Management and Marketing, and Mechanics. Forty-four teachers from across the province are involved this year.

The key challenge for the 1994–95 school year is to validate the draft assessment standards. As the year progresses, assessment panels will review the draft standards and provide feedback and exemplars of student work.

For further information, contact members of the CTS Team at the numbers provided, or call Sharon Prather, CTS Program Manager, Telephone 403–427–2984, Fax 403–422–3745; or Keith Wagner, Deputy Director, Curriculum Standards Branch, Telephone 403–422–4872, Fax 403–422–5129.

Diploma Examination Program, 1994–95 School Year

Changes

The revised senior high school science courses, Biology 30, Chemistry 30 and Physics 30, and the new Science 30 course are being implemented across the province in the 1994–95 school year. As a result, diploma examinations are being revised as well in Biology 30, Chemistry 30 and Physics 30. Although there will be no diploma examination this year in Science 30 because it is a new course, a pilot examination will be included in the schedule for diploma examinations.

Detailed information about the examinations is provided in the examination program information bulletins for these courses. The bulletins discuss examination designs, marking criteria, and for Science 30, the way to determine students' final marks so as to ensure their eligibility for the Alexander Rutherford scholarships.

Watch for the examination information bulletins in your school.

For more information, contact Lowell Hackman at 403–427–0010.

French as a Second Language

French 10, Distance Learning

The following distance learning materials for French 10 are available from the LRDC as of November 1994: Student Modules for students and Learning Facilitator's Manual for teachers. The course is based on the textbook, *Entrez 1* and mandatory audiocassettes are required to complete the course.

For more information, contact either the ADLC at 403–674–5333 or the LRDC at 403–427–2767.

Basic Resources

The following basic student learning resources have been approved since April 1, 1994 and are available from the LRDC:

- *Tous ensemble: Décollage — Intermediate 4/5 Level — French 20 Course* (D. C. Heath Canada Ltd.)
- *Entre amis 3: Le magazine — Intermediate 6 Level — French 30 Course* (Prentice Hall Canada Inc.)
- *Destinations: Destinations 4 — Intermediate 6 Level — French 30 Course* (Copp Clark Longman Ltd.)
- *Modes d'emploi: Grammaire utile du français — Advanced 7/8/9 — French 31A, B, C Courses* (Hatier/Éditions Hurtubise HMH ltée).

For more information regarding basic student learning resources, support student learning resources and authorized teaching resources, contact Denise Bourassa at 403–427–2940.

French 20–30 (new)

The sample model test for Intermediate (new French 20–30) is available from the LRDC. The components are:

- *French as a Second Language: Administration Guide — Intermediate Level*, with audiocassette
- *French as a Second Language: Student Test Booklet — Intermediate Level, Part One* (Listening/Reading Comprehension, Written Production)
- *French as a Second Language: Student Response Booklet — Intermediate Level, Part One* (Listening/Reading Comprehension, Written Production)
- *French as a Second Language: Student Test/Response Booklet — Intermediate Level, Part Two* (Oral Production).

For more information, contact Lisa Caouette at 403–427–2940.

Guidance and Counselling

The following teaching resource is available from the LRDC:

- *Everyday Career Development: Concepts and Practices, Participant Guide* (Alberta Education, Special Education Branch).

  This is a reference book for teachers and counsellors interested in helping students make the link between school programs and career opportunities. It focuses on ways of infusing career education into the senior high school curriculum.

For more information, contact Garnet Millar at 403–422–6326.

International Languages

Italian 10–20–30

The following authorized learning resources are available from the LRDC:

- *Oggi in Italia: A First Course in Italian*, 4th edition (Houghton Mifflin Canada Ltd.)

  Basic Resources
  - *Cassettes: Part 1: Lezione preliminare — Lezione 11*
  - *Cassettes: Part 2: Lezione 12 – Lezione 22*
  - *Overhead Transparencies*
  - *Student Texts*
  - *Workbook/Lab Manual*

  Teaching Resources
  - *Instructor's Annotated Edition*
  - *Instructor's Testing Cassettes*
  - *Tapescript and Answer Key to Workbook/Lab Manual*
  - *Leonardi Test Bank*

- *Ciao!* (Nelson/Nelson Canada)

  Basic Resources
  - *Primo libro, Student Book*
  - *Primo libro, Audio Cassette*
  - *Secondo libro — Audio Cassettes A and B*
  - *Terzo libro — Audio Cassette A*
  - *Secondo libro, Student Book*
  - *Terzo libro, Student Book*

Teaching Resources

- *Primo libro: Copymasters*
- *Primo libro: Teacher's Resource Book*
- *Secondo libro: Copymasters*
- *Secondo libro: Teacher's Resource Book*
- *Terzo libro: Copymasters*
- *Terzo libro: Teacher's Resource Book.*

Latin 10–20–30

The following authorized learning resources are available from the LRDC:

– *Jenney's Latin Program* (Prentice-Hall Canada Inc.)

First Year Latin Basic Resources
- *Student Text*
- *Workbook*

First Year Latin Teaching Resource
- *Teacher's Resource Book*

Second Year Latin Basic Resource
- *Student Text*
- *Workbook*

Second Year Latin Teaching Resource
- *Teacher's Resource Book*

Third Year Latin Basic Resource
- *Student Text*

Third Year Latin Teaching Resource
- *Teacher's Guide*

Fourth Year Latin Basic Resource
- *Student Text*

Fourth Year Latin Teaching Resource
- *Teacher's Guide*

– *North American Third Edition Cambridge Latin Course* (Cambridge University Press/Irwin Publishing)

Unit 1 Basic Resources
- *Student Text*
- *Workbook*

Unit 1 Teaching Resource
- *Teacher's Manual*

Unit 2 Basic Resources
- *Student Text*
- *Workbook*

Unit 2 Teaching Resource
- *Teacher's Manual*

Unit 3 Basic Resources
- *Student Text*
- *Workbook*

Unit 3 Teaching Resource
- *Teacher's Manual*

Unit 4 Basic Resources
- *Student Text*
- *Workbook*

Unit 4 Teaching Resource
- *Teacher's Manual*

– *Oxford Latin Course* (Oxford University Press)

Basic Resources
- *Part 1*
- *Part 2*
- *Part 3*

Teaching Resource
- *Teacher's Book*

– *Our Latin Heritage* (Harcourt Brace Jovanovich)

Basic Resources
- *Book 1* (3rd edition)
- *Book 2* (3rd edition).

For more information, contact John Sokolowski at 403–427–2984.

Language Arts (English)

English 23, Distance Learning

The following distance learning materials for English 23 are available from the LRDC as of November 1994: Student Modules for students and Learning Facilitator's Manual for teachers. This course is based on the textbooks, *Destinations: Straight Ahead and Overdrive, Of Mice and Men* and *The Diary of Anne Frank*. Audiocassettes are required to complete the course.

For more information, contact either the ADLC at 403–674–5333 or the LRDC at 403–427–2767.

Novels and Nonfiction

The new 1994 senior high school English novels and nonfiction list approved for English 10, 13, 20, 23, 30 and 33 was distributed to senior high English department heads in May 1994. This new listing of approximately 130 titles is an amalgamation of new titles and titles from the 1983 list. They include a variety of themes,

historical periods, points of view, levels of difficulty, maturity levels, cultures and countries, as well as Canadian titles. Since the LRDC will not be stocking the new authorized titles, schools may continue to use their favourite book distributors or contact either United Library Services or National Book Service, both of which will be stocking all the titles.

Teachers should note that some titles contain content that may be sensitive in some communities. Titles should be preread and selected carefully in order to meet student needs and community expectations.

Teachers making selections may wish to consult the new *Senior High English Language Arts Novels and Nonfiction Annotated Listing*, 1994. It is available for purchase from the LRDC. The annotations provide some plot and character information, identify topics, issues or language that may be sensitive, and note those titles requiring a mature reader or those best offered for independent, small group or optional study.

Titles from the 1983 list that will be withdrawn August 31, 1995 were also identified in the May mail out. Schools wishing to continue using these titles after that time are encouraged to seek local board approval.

For more information, contact Barbara Esdale at 403–427–2939.

Other Resources

Microsoft Word for Windows (Version 2.0) is authorized as a basic student learning resource for English 10, 13, 20, 23, 30 and 33 and is available from the LRDC.

The 24-minute 1989 videotape, *The Tragedie of Hamlet* from the *Shakespeare in Rehearsal Series*, is authorized as a support student learning resource for English 30 and 33 and is available from ACCESS Network. Three other videotapes in this series, *William Shakespeare: Background for His Works, Romeo and Juliet*, and *The Tragedie of Macbeth* are also support resources available from ACCESS Network.

For more information, contact Barbara Esdale at 403–427–2939.

Language Arts (Français)

Français 13–23–33 (francophone program)

Français 13 in distance learning format is now available from the LRDC. The Français 23 resources will be available in time for the second semester.

For more information, contact Alain Nogue at 403–427–2940.

Mathematics

CAI Mathematics CD-ROMS

Version 1.1 of Mathematics 30 CAI for Macintosh® and Windows™ is available from the ADLC.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Mathematics 31

Teaching Resource

The following authorized teaching resource is available from the LRDC:

- *The Mathematics Advantage*, 1992 (McGraw-Hill Ryerson College Custom Publishing).

This resource is a set of five final examinations in first-term university or post-secondary calculus, together with fully-worked solutions. These examinations will aid teachers in determining appropriate levels of instruction and evaluation in the context of the new Mathematics 31 course of studies.

For more information, contact Jack Edwards at 403–427–2984.

Science

Assessment Resources

The original teacher-developed unit and final tests for Science 10, Science 20, Biology 20, Chemistry 20 and Physics 20 continue to be available in three formats (LXR-TEST, ASCII DOS and Macintosh® and/or hard copy) from the LRDC.

The Student Evaluation Branch has provided either a full or abbreviated sample test for each of Biology 30, Chemistry 30, Physics 30 and Science 30. These were mailed to schools with the diploma examination bulletins at the end of September. For the 1994–95 school year, the final examinations for Science 30 will be provided by the Student Evaluation Branch to be marked by the teacher.

Teachers may adjust the scoring guides to suit their individual classroom needs, but are reminded that the examination must count for at least 30% of the final mark in order for students to be eligible for the Alexander Rutherford scholarships. The diploma examinations for Biology 30, Chemistry 30 and Physics 30 will be marked by Alberta Education with the help of teacher committees and will count for 50% of the student final mark. At this time Alberta Education has not developed question banks for the 30-level sciences.

Chemistry 30

The following information booklet relating to the high school diploma examination is available from the LRDC:

– *Chemistry 30 Data Booklet* (Alberta Education).

Physics 20

LXR Question Banks for Macintosh®

The beta release of the LXR Version 5.0 question bank for Physics 20 is now available from the ADLC.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Programs of Study

Revised programs of study for Science 10, Biology 20–30, Chemistry 20–30, Physics 20–30 and Science 20–30 were mailed to all schools and jurisdiction offices in early June. The revisions were significant, so ensure you have the version dated May 31, 1994. They are available from the LRDC at a nominal cost to cover duplication and distribution.

Science 10

LXR Question Banks for Macintosh®

The beta release of the LXR Version 5.0 question bank for Science 10 is now available from the ADLC.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Science (French)

Biology 20–30

Basic Resource

The following basic student learning resource is now available from the LRDC:

– *Biologie — Les enjeux de la vie* (Les Éditions de la Chenelière Inc.).

For more information, contact Diane Morneau at 403–427–2940.

Social Studies (English)

Social Studies 10 and 13

A call for resources has been sent to publishers requesting submissions of resources for Social Studies 10 and Social Studies 13. The call will close November 15, 1994 and the review process and authorization of new resources will be completed early in 1995.

Social Studies (French)

Social Studies 20, Topic B

Teaching Resource

The following teaching resource is authorized for the francophone and immersion programs and is available from the LRDC:

– *Organisation géographique du monde contemporain*, Guide pédagogique (Lidec).

For more information, contact Denise Stocco at 403–427–2940.

Out-of-print Resources

The following resources are no longer available from the LRDC, but are still authorized as basic student learning resources:

Social Studies 20, Topic A

- *Histoire générale de 1789 à nos jours*, livre (Éditions françaises)

Social Studies 20, Topic B

- *Géographie — L'espace mondial — Terminales ABCD*, livre, 1989 (Belin)

Social Studies 30, Topic A

- *Idéologies et régimes politiques comparée*, livre, 1980 (Loriot).

For more information, contact Denise Stocco at 403–427–2940.

OTHER NEWS

CALM Teachers, Counsellors and Librarians

Do your students have queries about renting? Do they need answers to such questions as:

- How can I get my security deposit back?
- Can my landlord make me move out without good reason?
- Can people move in with me?

Laws for Tenants in Alberta answers these questions and many others. This attractive 54-page book, written in easy English, provides tenants with information about their rights and duties. The Alberta government originally developed *Laws for Tenants in Alberta*. The Learning Centre Literacy Association brings this publication to you, free of charge, thanks to a grant from the Alberta Real Estate Foundation.

The book is available in two formats, bound copies and loose-leaf copies. You are encouraged to photocopy the book, in whole or in part, for your students.

Order from: The Learning Centre Literacy Association, 9720 – 102 Avenue, Edmonton, Alberta, T5J 0E3, Fax 403–425–2205.

For further information, contact Patsy Price at 403–429–0675.

Commonwealth Essay Competition

Entries are invited for the 1994–95 Commonwealth Essay Competition. The closing date is March 1, 1995. Last year there were 65 entries from 11 Alberta schools. Ten Alberta entries were ranked as "Highly Commended" or "Commended". A brief report on the 1993–94 competition and information on the 1994–95 topics, prizes and regulations was sent to each superintendent in September for distribution to schools.

For more information, contact Sharon Mott, Telephone 403–427–2984, Fax 403–422–3745.

Connecting Canada — Canadian Education Association

In August 1993 a resource binder of activities and videos titled *Connecting Canada* was distributed to each secondary school in the province. It has limited curriculum fit for junior high school social studies but is an excellent resource for Social Studies 10 and Social Studies 13.

There are a limited number of copies of this resource still available, free of charge, to schools. If you are interested in a copy (please specify French or English), contact Joan Engel, Curriculum Standards Branch, Telephone 403–427–2939, Fax 403–422–5129. Copies will be distributed on a first-come, first-serve basis.

Note: Teachers are urged to review the material for sensitivity prior to use.

The Environment Council of Alberta

The Environment Council of Alberta has just released a user-friendly collection of Alberta environmental statistics. *Alberta Facts: A Guide to the Environment* is an attractive 36-page booklet containing information not previously available in a single publication.

Subjects include: air quality and climate; water quality; solid waste generation and disposal; and hazardous waste generation and treatment. The booklet also provides a synoptic of Alberta's people, plants and animals, forestry, energy, agriculture, urbanization and natural areas.

The council has prepared a curriculum correlation for elementary, junior and senior high school social studies, junior and senior high school science and biology, environmental and outdoor education, and agriculture.

Once teachers view this resource, they may see additional curriculum correlations. For example, the content lends itself to an intercurricular approach — the data can be used in mathematics problems and in science and social studies classes.

The booklet has been distributed free to all libraries in schools with Grade 7 through Grade 12. Teachers in elementary schools can order a copy from the Environment Council of Alberta. Teachers may copy the material for use in the classroom. If there is sufficient demand, the LRDC will make the booklet available.

For more information, contact:

The Environment Council of Alberta
Suite 400, 9925 – 109 Street
Edmonton, Alberta, T5K 2J8
Telephone: 403–427–5792
Fax: 403–427–0388
Internet: eca@web.apc.org

In Alberta, call us toll-free through your local RITE operator.

The Great Canadian Adventure

Recently, the Department of Canadian Heritage provided elementary and junior high schools, through Alberta Education, with several copies of a board game called *The Great Canadian Adventure*. Alberta Education has additional copies of this board game available. For further information, contact John Blevins at 403–422–4872.

The Greater Edmonton Interpretive Network Association Elementary Field Trip Guide

The Teacher's Guide to Field Trips in the Greater Edmonton Area, 1994 is available from The Greater Edmonton Interpretive Network Association. GEINA is a registered nonprofit educational society. This fourth edition contains new descriptions and program information for the 1994–95 school year.

A complimentary copy has been forwarded to Edmonton schools and some surrounding counties. Teachers may order personal copies at a handling and cost recovery charge by writing: Sandra Opdenkamp, The Greater Edmonton Interpretive Network Association, John Janzen Nature Centre, PO Box 2359, Edmonton, Alberta, T5J 2R7.

LRDC Customer On-line Services

New Initiatives

- *Bulletin Board*: Allows customers, clients and other interested users of the LRDC to inquire about LRDC business; e.g., policies, sales flyers, etc. Scheduled implementation is November 1994.

- *Electronic Buyers Guide Inquiry*: There will be two versions of this feature. The first version will be a simple screen that will allow customers to search our system for products by title, grade, subject, vendor, etc. They will also be able to check for such things as pricing and availability. The second feature will be a view of the *Buyers Guide* using Interleaf's Worldview. It will present the *Buyers Guide* on their screen just as it looks in hard copy. It will also offer search capabilities, such as title, author, grade, etc. A "hyperlink" feature will allow for additional information (e.g., teachers' comments about the product) that is not included in the hard copy.

  Note: This feature is limited to customers who have computer systems with X-windows software. Scheduled implementation is November 1994.

- *Grant/Subsidy Inquiry*: Allows schools and school jurisdictions to check the status of their grant/subsidy allocations and useage. The system will display the amount allocated, amount used to date, and remaining balance. It will also indicate if the allocation control is at the jurisdiction or school level. Scheduled implementation is November 1994.

- *On-line Order Entry*: Will allow customers to dial into our system and create an order electronically from their location. Scheduled implementation is November 1994.

– *Order Tracking*: This feature allows the customers to electronically inquire about the status of their orders. They can see if the order(s) have been received; picked or packed; shipped and/or back ordered.

Site-based Management Symposium

Phi Delta Kappa and Continuing Professional Education, University of Alberta, will jointly sponsor a symposium on Site-based Management: Shared Decision Making, Saturday, April 29, 1995. The site for the symposium will be the University of Alberta, Education Building. The morning format of the symposium will consist of guest speakers from a variety of areas involving site-based management.

Trained facilitators will lead dialogue groups in the afternoon session. Both sections of the symposium have been designed to provide information as well as to share information within groups who are working or beginning to work with a site-based management model.

This symposium is open to all interested stakeholders from jurisdictions throughout Alberta. There will be a limit of 200 registrations accepted. Look for further information in *Connection* and the *Phi Delta Kappa* sponsored pamphlets within the jurisdictions in the near future.

For more information, contact Marion Watson at 403–467–5519.

School Health Forum

The Alberta Coalition for School Health invites all CALM and health teachers to attend their 1994 fall forum:

Wednesday, November 2, 1994
Royal Canadian Legion No. 35
Banquet Room
2810 Bremner Avenue, Red Deer

Forum highlights:

- Population Health and Comprehensive School Health

  An opportunity for you to find out what is really meant by the term "population health". What are the implications for comprehensive school health programming? What should we be measuring, and why?

- Involving Youth in Health Assessment and Planning

  The involvement of students in decision making for health is central to the comprehensive school health approach. Find out how you can include students in health assessment and planning processes.

To register, contact Nancy Mar, Red Deer Health Unit at 403–341–2149.

Another Day, Another Dollar . . . Or Is It?

The *1993 Alberta Wage and Salary Survey*, distributed by Statistics Canada, covers facts based on a survey of 170 000 workers in 8500 firms, representing over 400 professions. This publication is useful for career counselling or any business-/industry-oriented subject matter. Topics covered include: detailed earnings by occupation, such as maximum and minimum amounts, average and median income; worked hours per week; salary variances. Other features of interest are: union/nonunion rates, urban/rural comparisons, part-time/full-time salaries, starting wages/ongoing rates, and national occupational classifications (NOC).

Information is available in print ($105) or on disc ($272.50), and prices include GST, shipping and handling. Network licences are also available.

For further information, contact Statistics Canada at 403–495–5007; toll-free outside of Edmonton at 1–800–563–7828; or fax 403–495–5318.

Connection is a publication of Alberta Education. For more information or for additional copies, contact the Editor, Curriculum Standards Branch, 5th Floor, East Tower, Devonian Building, 11160 Jasper Avenue, Edmonton, Alberta, Canada, T5K 0L2. Telephone 403–422–4872, Fax 403–422–5129.

We welcome your comments and suggestions.

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EDUCATION